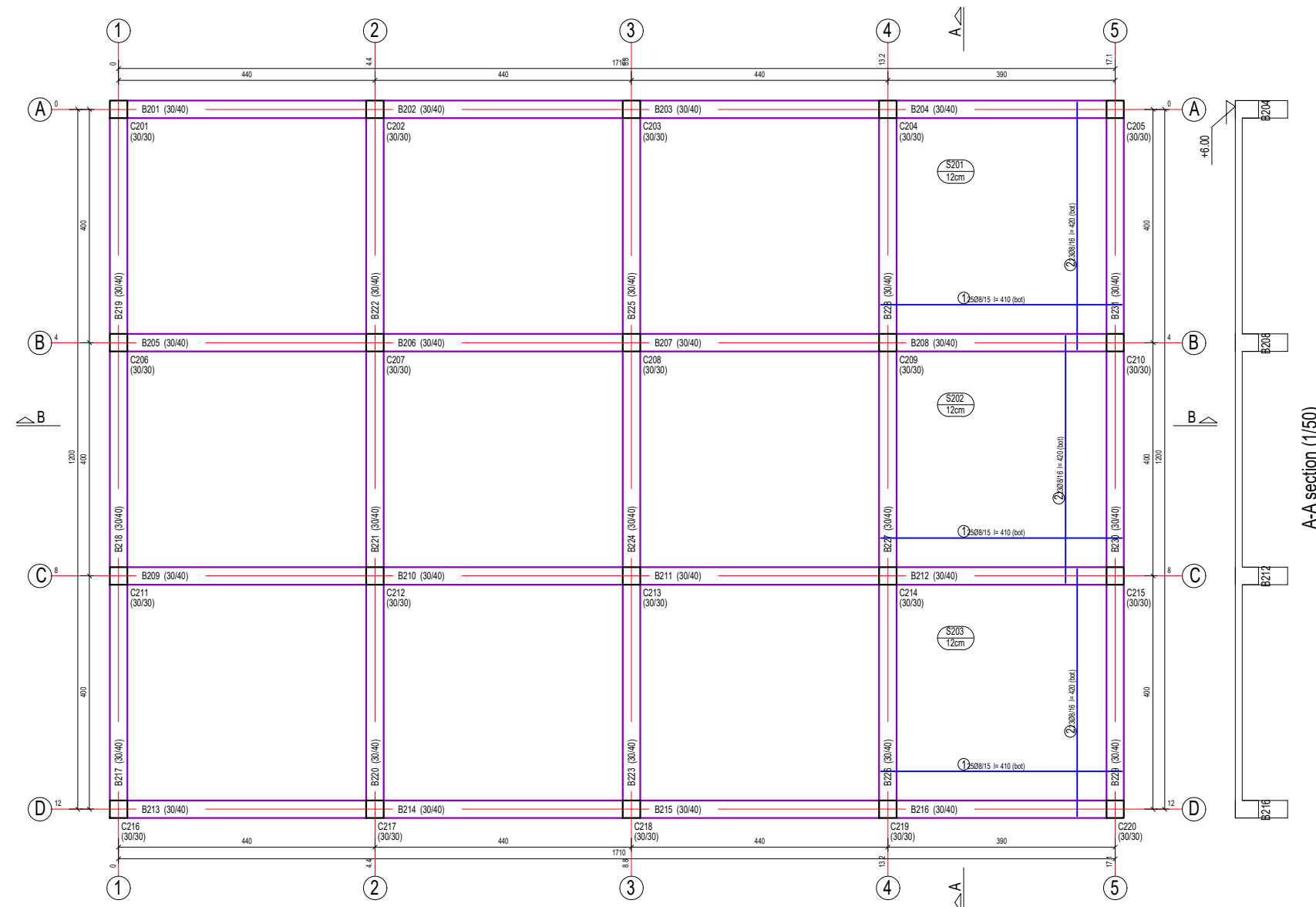


STRUCTURAL PLAN K-02



Technical Notes:

Structural elements are calculated and designed with following characteristics:

Foundation: Foundations are designed with plinths:

- Concrete C-25/30 ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Walls & Columns: All walls & columns are designed with:

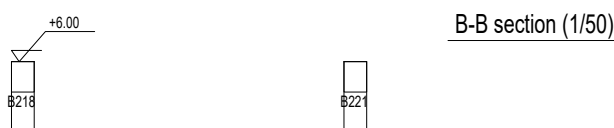
- Concrete C-25/30 ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Beams: Beams for all storeys are designed with:

- Concrete C-25/30 ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Slab: Slabs for all storeys are designed with:

- Concrete C-25/30 ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement S460A ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$



B.O.Q.

FORMWORK (m2)	: 163.82
CONCRETE(m3)	: 19.11
Ø 6-12 (kg)	: 235.4

ITEM	MARK	DIA.	LENGTH	WEIGHT
69	P02	Ø8	420	114.2
75	P01	Ø8	410	121.2
				235.4

410	P1Ø8
420	P2Ø8



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	Name	
Designed	Qinami	April 2018
Drafted	Qinami	April 2018
Checked		April 2018
Project No.	213 - 68524	

Client	Ministry of Environment and Energy		
Project Title	Consultancy Services for Feasibility Study for an Integrated Solid Waste Management System for Zone III (including Greater Malé) and Preparation of Engineering Design of the Regional Waste Management Facility at Thilafushi		
Design phase	Detailed Design Harbour Rehabilitation		
Contents	Workshop Building - Structural Plan +6.00		
Scale	1 : 50		
Drawing No.	4.2.5	Paper	A3